Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/22/2020 09:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124591	-1	1.69	124729	1.69
Blue	F	SSC	125000	123982	-1	2.21	124966	2.17
Blue	E	FITC	14203	13785	-3	2.55	298	15.31
Blue	D	PE	25703	25328	-2	2.22	549	10.59
Blue	B	PerCP-Cy5-5	42104	41806	-1	3.15	936	15.31
Blue	A	PE-Cy7	34646	34500	-1	4.74	493	30.75
Red	C	APC	49824	48313	-4	2.16	1492	11.12
Red	A	APC-Cy7	39773	39133	-2	2.25	739	11.70
Violet	B	V450	7447	7047	-6	3.98	392	13.71
Violet	A	V500	31193	30131	-4	3.76	681	11.10

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21805	2.28	547	-9	N/A	N/A	Pass
Blue	F	SSC	53860	2.07	513	1	N/A	N/A	Pass
Blue	E	FITC	54	53.22	487	1	0.0395	76	Pass
Blue	D	PE	107	40.43	489	4	0.4297	376	Pass
Blue	B	PerCP-Cy5-5	177	37.36	584	7	0.0172	40	Pass
Blue	A	PE-Cy7	110	67.56	630	10	0.0199	1	Pass
Red	C	APC	346	23.41	564	-3	0.0281	74	Pass
Red	A	APC-Cy7	203	24.86	543	-1	0.0060	703	Pass
Violet	B	V450	88	45.62	445	-4	0.0437	1989	Pass
Violet	A	V500	119	38.12	464	-3	0.0244	2213	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.51	-31.27	1.13
Blue	20.37	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	20.09	15.99 - 23.99	N/A	N/A	29.70	29.98	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 12227

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments